

What is claimed is:

- 1 1. An image processing device for processing image data  
2 representing an image, said image processing device comprising:  
3 an extraction controller for extracting feature relating to  
4 image color of the image from the image data;  
5 a determination controller for determining a frame color  
6 based on the feature extracted by said extraction controller; and  
7 a synthesis controller for generating a frame of the frame  
8 color determined by the determination controller around the image  
9 and synthesizing a product image.
- 1 2. An image processing device as claimed in claim 1,  
2 wherein said extraction controller extracts a color system  
3 having the largest surface area within the image.
- 1 3. An image processing device as claimed in claim 2,  
2 wherein said determination controller sets the frame color  
3 to a color belonging to the color system extracted by said extraction  
4 controller.
- 1 4. An image processing device as claimed in claim 2,  
2 wherein said determination controller sets the frame color  
3 to a color belonging to a color system corresponding to a  
4 complement of the color system extracted by said extraction controller.
- 1 5. An image processing device as claimed in claim 1,

2 wherein said extraction controller extracts a color system  
3 having the largest surface area within the image and a color system  
4 having the next largest area within the image.

Sub 1 6. An image processing device as claimed in claim 5,  
2 wherein said determination controller sets the frame color  
3 to an intermediate color between the color systems extracted by said  
4 extraction controller.

1 7. An image processing device as claimed in claim 1,  
2 wherein said extraction controller extracts a color which is  
3 most conspicuous within the image.

1 8. An image processing device as claimed in claim 7,  
2 wherein said determination controller sets the frame color  
3 to a color belonging to the color system to which the extracted color  
4 belongs.

1 9. An image processing device as claimed in claim 7,  
2 wherein said determination controller sets the frame color  
3 to a color belonging to a color system corresponding to a  
4 complement of the color extracted by said extraction controller.

1 10. An image processing device as claimed in claim 1,  
2 wherein said determination controller suggests a plurality  
3 of frame color candidates based on the feature extracted by the  
4 extraction controller, and determines the frame color according to a

5" selection of a user from among the plurality of suggested frame color  
6 candidates.

1 11. An image processing method for processing image data  
2 representing an image, said image processing method comprising  
3 steps of:  
4 extracting a feature quantity of a color of an image;  
5 determining a frame color based on the feature extracted  
6 in said extracted step; and  
7 generating a frame of the determined color around a  
8 periphery of the image and combining the generated frame with the  
9 image.

1 12. An image processing method as claimed in claim 11,  
2 wherein said extracting step extracts a color system having  
3 the largest surface area within the image.

1 13. An image processing method as claimed in claim 12,  
2 wherein said determining step sets the frame color to a  
3 color belonging to the color system extracted by said extracting step.

1 14. An image processing method as claimed in claim 12,  
2 wherein said determining step sets the frame color to a  
3 color belonging to a color system corresponding to a complement of  
4 the color system extracted by said extracting step.

1 15. An image processing method as claimed in claim 14,

2° wherein said extracting step extracts a color system having  
3 the largest surface area within the image and a color system having  
4 the next largest area within the image.

1 16. An image processing method as claimed in claim 15,  
2 wherein said determining step sets the frame color to an  
3 intermediate color between the color systems extracted by said  
4 extracting step.

1 17. An image processing method as claimed in claim 11,  
2 wherein said extracting step extracts a color which is most  
3 conspicuous within the image.

1 18. An image processing method as claimed in claim 17,  
2 wherein said determining step sets the frame color to a  
3 color belonging to the color system to which the extracted color  
4 belongs.

1 19. An image processing method as claimed in claim 17,  
2 wherein said determining step sets the frame color to a  
3 color belonging to a color system corresponding to a complement of  
4 the color extracted by said extracting step.

1 20. An image processing method as claimed in claim 11,  
2 wherein said determining step includes a step of  
3 suggesting a plurality of frame color candidates based on the feature  
4 extracted by the extracting step, and a step of determining the frame

5. color according to a selection of a user from among the plurality of  
6 suggested frame color candidates.

21. A computer program product for processing image data  
representing an image, said computer program product executing  
steps of:  
extracting a feature quantity of a color of an image;  
determining a frame color based on the feature extracted  
in said extracted step; and  
generating a frame of the determined color around a  
periphery of the image and combining the generated frame with the  
image.